TASTER: PHYSICS

AIMS:
- To allow students the opportunity to experience some aspects of a Science course, which relates directly to Science subjects in the Senior school, in order to assist students to make appropriate subject choices for Year 11.
- To provide students with a sound knowledge base on which to build in the Year 11 and 12 Science subjects, in particular, Physics.
- To develop the skills and processes necessary to apply knowledge in the Year 11 and 12 Science subjects, in particular, Physics.
- To provide learning opportunities and experiences in selected aspects of Science at a greater depth and breadth than those available in the Core Junior Science course.

CONTENT:
The topics covered in the program will be different from those covered in the Core Year 10 Science course (which all students study).
Topics will be selected for study on the basis of the following criteria:
- relevance to Year 11 and 12 Physics courses

This course focuses on topics with a Physics basis. Topics typically under consideration would include:
- Thermal, nuclear and electrical physics
- Linear motion and waves
- Tools of Physics
- Gravity and Electromagnetism
- Revolutions in Modern Physics

PREREQUISITES:
Minimum achievement of a B in Junior Science, Junior Mathematics and English.
(B = High Achievement)

ASSESSMENT:
This will be of a style similar to Years 11 and 12 subjects and may include a student experiment or research investigation. There will be an end of semester examination with knowledge and data questions. Overall, the assessment program will require students to take more responsibility for their own plans and actions, in line with the Senior School.

COSTS:
(In addition to the Student Resource Scheme - SRS):
Nil

EXCURSIONS:
Students in Science Taster subjects are offered the opportunity to visit the University of Queensland as part of the 'Experience Science' program. This is a one day only program costing approximately $35. It is not mandatory.

CAREERS:
Many careers require Science knowledge and skills:

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<tr>
<td>Veterinary Science</td>
<td>Geology</td>
<td>Hospitality</td>
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NOTE:
This option is separate from the Chemistry, Biology or Science in Practice Taster options. While these options complement each other, they each act as stand-alone units as well. Students may, and are encouraged to select up to three of the science based Taster options.